
**Measurement of total discharge in open
channels — Electromagnetic method
using a full-channel-width coil**

*Mesurage du débit total dans les canaux découverts — Méthode
électromagnétique à l'aide d'une bobine d'induction couvrant toute la
largeur du chenal*



PDF disclaimer

This PDF file may contain embedded typefaces. In accordance with Adobe's licensing policy, this file may be printed or viewed but shall not be edited unless the typefaces which are embedded are licensed to and installed on the computer performing the editing. In downloading this file, parties accept therein the responsibility of not infringing Adobe's licensing policy. The ISO Central Secretariat accepts no liability in this area.

Adobe is a trademark of Adobe Systems Incorporated.

Details of the software products used to create this PDF file can be found in the General Info relative to the file; the PDF-creation parameters were optimized for printing. Every care has been taken to ensure that the file is suitable for use by ISO member bodies. In the unlikely event that a problem relating to it is found, please inform the Central Secretariat at the address given below.

© ISO 2004

All rights reserved. Unless otherwise specified, no part of this publication may be reproduced or utilized in any form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from either ISO at the address below or ISO's member body in the country of the requester.

ISO copyright office
Case postale 56 • CH-1211 Geneva 20
Tel. + 41 22 749 01 11
Fax + 41 22 749 09 47
E-mail copyright@iso.org
Web www.iso.org

Published in Switzerland

Contents

	Page
1 Scope	1
2 Normative references	1
3 Terms and definitions	1
4 Principles of operation and practice	1
5 Applications	5
6 Selection of site	6
7 Design and construction	6
8 Uncertainties in flow measurement	12
9 Gauge calibration and verification	13
Annex A (informative) Site survey for electrical interference	14
Annex B (informative) Design aspects of the electromagnetic coil	15
Annex C (informative) Numerical example of the calculation of uncertainty	16
Annex D (normative) Gauge calibration procedure	17
Bibliography	19